

CLAIMS

1. A transgenic mollusk into which a desired foreign gene (excluding a gene giving resistance to a virus) is introduced and which expresses said foreign gene.

2. The transgenic mollusk according to claim 1, which is a shellfish.

5 3. The transgenic mollusk according to claim 2, which is a pearl shell.

4. The transgenic mollusk according to any one of claims 1-3, wherein said foreign gene is a gene relating to coloring, and at least one of tissues of said transgenic mollusk is colored.

10 5. The transgenic mollusk according to claim 4, wherein said gene relating to coloring is a gene encoding green fluorescence protein, and at least one of tissues of said transgenic mollusk emits fluorescence.

20 6. A method for producing the transgenic mollusk according to any one of claims 1-5, comprising microinjecting into gonad of male and/or female of mollusk a recombinant vector into which a desired foreign gene to be introduced or a nucleic acid containing said foreign gene is inserted; crossing said male and female to produce individuals of first generation; and selecting therefrom (an) individual(s) which express(es) said desired gene.

20 7. The method according to claim 6, further comprising crossing male and female of said selected individuals of first generation, which express said foreign gene to produce individuals of second generation, and selecting therefrom (an) individual(s) which express(es) said desired gene.

25 8. A method for producing the transgenic mollusk according to any one of claims 1-7, comprising introducing into unfertilized eggs, fertilized eggs or embryos of a mollusk to be transformed a recombinant vector into which a nucleic acid including a promoter having a promoter activity in said mollusk and said desired gene located at a downstream region of said promoter and functionally linked to said promoter is inserted; developing said unfertilized eggs, fertilized eggs or embryos to

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sub 2

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~~individuals; and selecting therefrom (an) individual(s) which express(es) said desired gene.~~

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